



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/563,774
				Filing Date	January 6, 2006
				First Named Inventor	Mehmet Toner et al.
				Art Unit	1653
				Examiner Name	Not Yet Assigned
Sheet	1	of	3	Attorney Docket Number	22727-138

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
RK		6,030,807	02/29/2000	De Lencastre et al.	
		6,127,177	10/03/2000	Toner et al.	
		6,300,130	10/09/2001	Toner et al.	
		6,365,338 B1	04/02/2002	Bull et al.	
		6,403,376	06/11/2002	Fowler et al.	
		6,692,952	02/17/2004	Braff et al.	
		6,902,931	06/07/2005	Bieganski et al.	
		2003/0009024	01/09/2003	Curtis	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
RK J		WO 00/15032	03/23/2000	Russo et al.		
		WO 05/014792	02/17/2005	Toner et al.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RK		AFT, R.L. et al., "Evaluation of 2-Deoxy-D-Glucose as a Chemotherapeutic Agent: Mechanisms of Cell Death," British J. Cancer 87(7):805-812 (2002).	
		BUSE, J. et al., "Human GLUT4/Muscle-Fat Glucose-Transporter Gene," Diabetes 41:1436-1445 (1992).	
		CARAYANNOPOULOS, M. et al., GLUT8 us a Glucose Transporter Responsible for Insulin-Stimulated Glucose Uptake in the Blastocyst," Proc. Natl. Acad. Sci. 13:7313-7318 (2000).	
		CHEN, T. et al., "Beneficial Effect of Intracellular Trehalose on the Membrane Integrity of Dried Mammalian Cells," Cryobiology 43(2):168 (2001).	
		CHIARAMONTE, R. et al., "Identification of the 5' End of the Gene Encoding a Human Insulin-Responsive Glucose Transporter," Gene 130:307-308 (1993).	
		CHOI, W. et al., "Molecular Scanning of Insulin-Responsive Glucose Transporter (GLUT4) Gene in NIDDM Subjects," Diabetes 40:1712-1718 (1991).	
		CROWE, J.H. et al., "Anhydrobiosis," Annu. Rev. Physiol. 54:579-599 (1992).	
		DOEGE, H. et al., Activity and Genomic Organization of Human Glucose Transporter 9	
Examiner Signature		Date Considered	

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/563,774
				Filing Date	January 6, 2006
				First Named Inventor	Mehmet Toner et al.
				Art Unit	1653
				Examiner Name	Not Yet Assigned
Sheet	2	of	3	Attorney Docket Number	22727-138

RL		(GLUT9), a Novel Member of the Family of Sugar-Transport Facilitators Predominantly Expressed in Brain and Leucocytes," Biochem. J. 350:771-776 (2000).	
	1	DOEGE, H. et al., GLUT8, a Novel Member of the Sugar Transport Facilitator Family with Glucose Transport Activity," J. Biol. Chem. 275:16275-16280 (2000).	
	1	DOEGE, H. et al., "Characterization of Human Glucose Transporter (GLUT) 11 (Encoded by SLC2A11), a Novel Sugar-Transport Facilitator Specifically Expressed in Heart and Skeletal Muscle," Biochem. J. 359:443-459 (2001).	
	1	EROGLU, A. et al., "Intracellular Trehalose Improves the Survival of Cryopreserved Mammalian Cells," Nat. Biotechnol. 18(2):163-167 (2000).	
	1	FUKUMOTO, H. et al., "Characterization and Expression of Human HepG2/Erythrocyte Glucose-Transporter Gene," Diabetes 37:657-661 (1989).	
	1	FUKUMOTO, H. et al., "Cloning and Characterization of the Major Insulin-Responsive Glucose Transporter Expressed in Human Skeletal Muscle and Other Insulin-Responsive Tissues," J. Biol. Chem. 264:7776-7779 (1989).	
	1	GOULD, G.W. et al., "The Glucose Transporter Family: Structure, Function and Tissue-Specific Expression," Biochem. J. 295(Pt. 2):329-341 (1993).	
	1	HIROSE et al., "cDNA Cloning and Tissue Specific Expression of a Gene for Sucrose Transporter from Rice (<i>Oryza Sativa</i> L.), Plant Cell Physiol. 38:1389-1396 (1997).	
	1	HOPKINSON, D.N. et al., "Comparison of Saccharides as Osmotic Impermeants During Hypothermic Lung Graft Preservation," Transplantation 61(12):1667-1671 (1996).	
	1	IBBERSON et al., "GLUTX1, a Novel Mammalian Glucose Transporter Expressed in the Central Nervous System and Insulin-Sensitive Tissues," J. Biol. Chem. 275:4607-4612 (2000).	
	1	International Search Report, from Intl. Appl. No. PCT/US04/25469, mailed August 2, 2005.	
	1	KAYANO et al., "Evidence for a Family of Human Glucose Transporter-Like Proteins," J. Biol. Chem. 263:15245-15248 (1988).	
	1	KAYANO et al., "Human Facilitative Glucose Transporters," J. Biol. Chem. 265:13276-13282 (1990).	
	1	LONGO, N. et al., "Influx and Efflux of 3-O-Methyl-D-Glucose by Cultured Human Fibroblasts," Am. J. Physiol. 254(5 Pt. 1):C628-C633 (1988).	
	1	MCVIE-WYLIE et al., "Molecular Cloning of a Novel Member of the GLUT Family of Transporters, SLC2A10 (GLUT10), Localized on Chromosome 20q13.1: A Candidate Gene for NIDDM Susceptibility," Genomics 72:113-117 (2001).	
	1	MUECKLER et al., "Sequence and Structure of a Human Glucose Transporter," Science 229:941:985 (1985).	
	1	PHAY et al., "Cloning and Expression Analysis of a Novel Member of the Facilitative Glucose Transporter Family, SLC2A9 (GLUT9)," Genomics 66:217-220 (2000).	
	1	RIESMEIER et al., "Isolation and Characterization of a Sucrose Carrier cDNA from Spinach by Functional Expression in Yeast," EMBO J. 11:4705-4713 (1992).	
	1	RIESMEIER et al., "Evidence for an Essential Role of the Sucrose Transporter in Phloem Loading and Assimilate Partitioning," EMBO J. 13:1-7 (1994).	
	1	RIESMEIER et al., "Potato Sucrose Transporter Expression in Minor Veins Indicates a Role in Phloem Loading," Plant Cell 5:1591-1598 (1993).	
	1	ROGERS et al., "Identification of a Novel Glucose Transporter-Like Protein-GLUT-12," Am. J. Endocrinol. Metabol. 282:E733-E738 (2002).	
	1	SIDDIQI, M. et al., "Studies on the Uptake of 2-Deoxy-D-Glucose in Normal and Malignant Rat Epithelial Liver Cells in Culture," Intl. J. Cancer 15(5):773-780 (1975).	
	1	STOREY et al., "Effects of Temperature and Freezing on Hepatocytes Isolated from a Freeze-Tolerant Frog," Am. J. Physiol. Regul. Integr. Comp. Physiol. 266:R1477-R1482 (1994).	
	1	ULDRY et al., "Identification of a Mammalian H ⁺ -myo-Inositol Symporter Expressed Predominantly in the Brain," EMBO J. 20:4467-4477 (2001).	
Examiner Signature	Assume Kozon		Date Considered 11/11/07

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/563,774
				Filing Date	January 6, 2006
				First Named Inventor	Mehmet Toner et al.
				Art Unit	1653
				Examiner Name	Not Yet Assigned
Sheet	3	of	3	Attorney Docket Number	22727-138

2K1		WADDELL et al., "Cloning and Expression of a Hepatic Microsomal Glucose Transport Protein," Biochem. J. 286:173-177 (1992).	
✓		WALLBERG-HENRIKSSON et al., "Reversibility of Decreased Insulin-Stimulated Glucose Transport Capacity in Diabetic Muscle with <i>In Vitro</i> Incubation," J. Biol. Chem. 262(16):7665-7671 (1987).	
✓		ZIEDLER et al., "Kinetics of 3-O-Methyl Glucose Transport in Red Blood Cells of Newborn Pigs," J. Gen. Physiol. 67:67-80 (1976).	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>Rosanne Kossin</i>	Date Considered	11/1/07
-----------------------	-----------------------	--------------------	---------